

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	0	"00001024179693"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L3	1	"09/991500"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L4	0	super with heterodyne with ((multi adj carrier) or multicarrier or multi-carrier)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L5	1788	super with heterodyne	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L6	0	super with heterodyne same ((multi adj carrier) or multicarrier or multi-carrier)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L7	18	super with heterodyne and ((multi adj carrier) or multicarrier or multi-carrier)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L8	704	(dynamic with range) and ((multi adj carrier) or multicarrier or multi-carrier)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L9	673	(dynamic adj range) and ((multi adj carrier) or multicarrier or multi-carrier)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49

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L10	81	(dynamic adj range) with ((multi adj carrier) or multicarrier or multi-carrier)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L11	30	(dynamic adj range) with ((multi adj carrier) or multicarrier or multi-carrier) and (IF or (intermediate adj frequency))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L12	10	(dynamic adj range) with ((multi adj carrier) or multicarrier or multi-carrier) and (IF or (intermediate adj frequency)) and (A/D or (analog adj to adj digital))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L13	3	(dynamic adj range) with reduce\$1 with ((multi adj carrier) or multicarrier or multi-carrier) and (IF or (intermediate adj frequency)) and (A/D or (analog adj to adj digital))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L14	2	"20030072393".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L15	2	"5396519".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L16	23	((dynamic adj range) with reduce\$1) with ((multi adj carrier) or multicarrier or multi-carrier)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L17	3296	375/316	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49

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L18	2246	375/350	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L19	7056	((dynamic adj range) with reduce\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L20	5819	16and L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L21	53	L19 and L18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L22	65	L19 and L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L23	23	(dynamic adj range) with reduce\$1 with ((multi adj carrier) or multicarrier or multi-carrier)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L24	127	(dynamic adj range) with reduce\$1 and ((multi adj carrier) or multicarrier or multi-carrier)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L25	11	L24 and L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49

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L26	11	L24 and L18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L27	28	("20020016158" "20020075971" "20020136178" "4159518" "4313215" "5384547" "5402500" "6014366" "6028884" "6484017" "6621368" "6662001" "6757324").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L28	4	("5974040" "6282231").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L29	2	(dynamic adj range) with reduce\$1 with ((multi adj carrier) or multicarrier or multi-carrier) and (IF or (intermediate adj frequency)) and (A/D or (analog adj to adj digital)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49
L30	1	((dynamic adj range) with reduce\$1 with ((multi adj carrier) or multicarrier or multi-carrier) and (IF or (intermediate adj frequency)) and (A/D or (analog adj to adj digital))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:49

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Broadcasting, IEEE Transactions on (PDF-31K)

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...modulated two- and four-code assisted **multicarrier** code-division multiple-access (MC-CDMA...set, crest factor (CF), Golay codes, **multicarrier** code-division multiple-access (MC-CDMA...crest factor. The crest factors of **multicarrier** code-division multiple-access (MC-CDMA...  
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...JUNE 1999 Spreading Sequences for **Multicarrier** CDMA Systems Branislav M. Popović...selection of spreading sequences for the **multicarrier** CDMA (MC-CDMA) systems with spectrum...dynamic range of the corresponding **multicarrier** waveforms, is used for the evaluation...  
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...the single-carrier and **multicarrier** cyclic prefixed communication...Generalization of Single-Carrier and **Multicarrier** Cyclic Prefixed Communication...the power efficiency. The **reduced dynamic range** also relaxes the ADC resolution...Prefixed Single Carrier and **Multicarrier** Transmission: Bit Rate Comparison...  
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 Jul 2003  
 ...1997 and entitled "Method and apparatus for processing **multicarrier** signals" describes the design of a multi-carrier signal...modification of the signals ensures that the combined signal has a **reduced dynamic range**. U.S. Patent No. 3,938,153 issued to Lewis et al on February...  
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- ☐ **7. METHOD FOR DYNAMIC RANGE REDUCTION IN A WIDEBAND RECEIVER**  
**HUANG, Kai, Bin / QUEK, Quee, Seng / NATIONAL UNIVERSITY OF SINGAPORE, PATENT COOPERATION TREATY APPLICATION, Apr 2004**  
 ...1997 and entitled "Method and apparatus for processing **multicarrier** signals" describes the design of a multi-carrier signal...modification of the signals ensures that the combined signal has a **reduced dynamic range**. U.S. Patent No. 3,938,153 issued to Lewis et al on February...  
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 ...transmission that is BW f T c b &lt; &lt; &lt; ) ( / 1 (9) where Dfc is the coherence bandwidth and BW is the total bandwidth of the **multicarrier** system. In this work, we examine frequency selectivity resulting in L fold frequency diversity over the entire bandwidth...  
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 ...distortions because of the adopted **multicarrier** modulation. Index Terms--Digital broadcasting...Since the selected standards adopt **multicarrier** techniques such as OFDM [3], nonlinearity...Back-Off (OBO), with a consequently **reduced dynamic range** and power efficiency. This solution...  
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 At each step, further adaptive capability is demanded of the system, and care must be taken to ensure that the adaptive algorithms interact in a complementary and stable fashion. Using such techniques, very large performance improve- ments over static designs may be obtained. I.  
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**Bö / hnke, Ralf / Dö / lle, Thomas / Konschak, Tino / Sony International (Europe) GmbH, EUROPEAN PATENT, Jul 2000**  
 ...properties. For OFDM (or in general **multicarrier** signals) the signal envelope fluctuation...gain control) pull-in time due to **reduced dynamic range** of the SYNCH burst, Improved AGC...underflow in the AD happens. The **reduced dynamic range** of the SYNCH burst help to find this...

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 transmission ? (100,000 - 200,000 gates with a 0.35  $\mu$ m...nD0 n 1 D1 ... Dm = em ne0  
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**Bö / hnke, Ralf / Dö / lle, Thomas / Kenschak, Tino / Sony International (Europe) GmbH, EUROPEAN PATENT**, Jul 2000  
...properties. For OFDM (or in general **multicarrier** signals) the signal envelope fluctuation...gain control) pull-in time due to **reduced dynamic range** of the SYNCH burst, Improved AGC...underflow in the AD happens. The **reduced dynamic range** of the SYNCH burst help to find this...  
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 Aue, V.; Fettweis, G.P.;  
Vehicular Technology Conference, 1996. 'Mobile Technology for the Human Race', IEEE  
 Volume 2, 28 April-1 May 1996 Page(s):914 - 917 vol.2  
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